Errata and Updates For
Database System Concepts, 6th Edition
Silberschatz, Korth, and Sudarshan

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We list below errors, clarifications, and recent updates. NOTE: Some of the errata described here have been corrected in the 2nd and 3rd printing of the US edition of the book; these are tagged as "(1st pr.)". If you own an international edition, note that these editions follow a different correction schedule, so your copy may still have errata that have been fixed in the US edition. Check your copy for the errata noted here, and ignore those that have been fixed in your copy.

Errata for Part 4: Transaction Management, Chapters 14 to 16

CHAPTER 14

1. (1st pr.) Page 631, bullet item 2: "Information about the updates carried out by the transaction and written to disk is sufficient to enable ..."
   →
   "Information about the updates carried out by the transaction is written to the disk, and such information is sufficient to enable ..."
   (Reported by: Ravindra Guravannavar)

2. (1st pr.) Page 646, Para 2: "addition and subtraction are commutative." → "the increment and decrement operations are commutative".
   (Reported by: Ravindra Guravannavar)

3. (1st pr.) Page 653, line 2: "Oracle and PostgreSQL implement .." → "Oracle and PostgreSQL versions prior to PostgreSQL 9.1 implement .." →

CHAPTER 15

1. (1st pr.) Page 664, Figure 15.4: "concurreny" → "concurrency"

2. (1st pr.) Page 671, Figure 15.10: "1" →"I" in the following places: 17 → I7, 123 → I23, 1912 → I912, 14 → I4, and 144 → I44.

3. (1st pr.) Page 675, Section 15.2.1, in the para for "wait-die":
   "If T_{24} requests...", → "If T_{16} requests..."
   (Reported by: Ravindra Guravannavar)

4. (1st pr.) Page 679, last para, line 5 and 8: Change both occurrences of "F_c" → "F_b". (This change is required for consistency with the following paragraph on page 680.)
   (Reported by: Linda Null)

5. (1st *pr.*) Page 696, line 3: "phantom phenomenon" → "phantom phenomenon, which is described later in Section 15.8.3"

6. (1st *pr.*) (Update) Page 697, 1st para, last line: "In Oracle and PostgreSQL, the *serializable* isolation level offers only snapshot isolation."
→
"In Oracle and PostgreSQL versions prior to 9.1, the *serializable* isolation level offers only snapshot isolation. Since version 9.1, PostgreSQL implements a technique called "serializable snapshot isolation", which provides true serializability."

7. Page 697, 3rd bullet in Section 15.8.1: In " If I_i comes before I_j, T_i will have a logical error." change $T_i \rightarrow T_j$.
(Reported by: Deepak Aggrawal)

8. (1st *pr.*) (Update) Page 701, paragraph just prior to Section 15.9: "PostgreSQL (as of version 8.1) ..." → "PostgreSQL versions prior to 9.1 ..."

9. (1st *pr.*) Page 704, last paragraph of Section 15.9, line 11: In the line "... regular transactions validation using version numbers is very useful for such ...", add a ";" between "transactions" and "validation".

10. (1st *pr.*) Page 715, 5th line from bottom: "time," → "time."

CHAPTER 16

1. (1st *pr.*) Page 724, Line 2: Change
"replaces the content of the first block with the value of the second. This recovery procedure ..."
→
"can either replace the content of the first block with the value of the second, or replace the content of the second block with the value of the first. Either way, the recovery procedure ..."

2. (1st *pr.*) Page 725: Last para: "The system then performs ..." → "The transaction then performs...".

3. Page 725: Last line: "final write to X" → "final write to x_i".
(Reported by: Deepak Aggrawal)

4. (1st *pr.*) Page 765, Exercise 16.20: "just after before" → "just before".